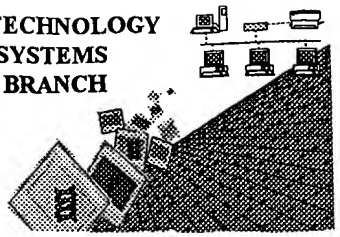
1636

BIOTECHNOLOGY SYSTEMS BRANCH



RAW SEQUENCE LISTING ERROR REPORT

#9

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/660,302A
Source: 1600
Date Processed by STIC: 2/26/02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**http://www.uspto.gov/ebc/efs/downloads/documents.htm**>, **EFS Submission User Manual** - ePAVE)
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   Or
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Revised 01/29/2002

1600

Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/660,302A

DATE: 02/26/2002 Some errors repeated
TIME: 14:18:22

Input Set : A:\EP.txt
Output Set: N:\CRF3\02262002\I660302A.raw

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

```
      1 <110> APPLICANT: Universiteit Utrecht
      2       Strous, Gerardus
      3       Van Kerkhof, Petrus
      4       Govers, Roland
W-->  5 <120> TITLE OF INVENTION: CONTROLLING AVAILABILITY OR ACTIVITY OF PROTEINS BY USE OF
PROTEASE
W-->  6       INHIBITORS OR RECEPTOR FRAGMENTS
W-->  7 <130> FILE REFERENCE: 2183-4525US
W-->  8 <140> CURRENT APPLICATION NUMBER: Filed concurrently with applicationA
C-->  9 <141> CURRENT FILING DATE: 2000-08-12
     10 <150> PRIOR APPLICATION NUMBER: PCT/NL99/00136
     11 <151> PRIOR FILING DATE: 1999-03-12
     12 <150> PRIOR APPLICATION NUMBER: EP98200799.9
     13 <151> PRIOR FILING DATE: 1998-03-12
W--> 14 <160> NUMBER OF SEQ ID: 50
     16 <170> SOFTWARE: PatentIn version 3.0
W--> 17 <210> SEQ ID NO: 1
     18 <211> LENGTH: 8
     19 <212> TYPE: PRT
     20 <213> ORGANISM: Unknown organism
W--> 21 <220> FEATURE: Binding polypeptide motif
W--> 21 <220> FEATURE: Binding polypeptide motif
     22 <221> NAME/KEY: Binding
     23 <222> LOCATION: (1)..(8)
     24 <223> OTHER INFORMATION: Residues 1, 5-6 and 8 can be any amino acid
W--> 25 <220> FEATURE: Binding polypeptide motif
W--> 25 <220> FEATURE: Binding polypeptide motif
W--> 26 <221> NAME/KEY: E
     27 <222> LOCATION: (2)..(2)
     28 <223> OTHER INFORMATION: The amino acid E (glutamic acid can be replaced by D
W--> 29 <220> FEATURE: Binding polypeptide motif
W--> 29 <220> FEATURE: Binding polypeptide motif
W--> 30 <221> NAME/KEY: F
     31 <222> LOCATION: (3)..(3)
     32 <223> OTHER INFORMATION: The amino acid F can be replaced by Y
W--> 33 <220> FEATURE: Binding polypeptide motif
W--> 33 <220> FEATURE: Binding polypeptide motif
W--> 34 <221> NAME/KEY: I
     35 <222> LOCATION: (4)..(4)
     36 <223> OTHER INFORMATION: The amino acid I can be replaced by L, V or F
W--> 37 <220> FEATURE: Binding polypeptide motif
W--> 37 <220> FEATURE: Binding polypeptide motif
W--> 38 <221> NAME/KEY: D
     39 <222> LOCATION: (8)..(8)
```

Formatting error: <220> must be left blank
belongs in <223>
Some error
must be represented by Xaa only
- some formatting error
Xaa only
- some formatting error
Xaa only
- some formatting error

RAW SEQUENCE LISTING DATE: 02/26/2002
PATENT APPLICATION: US/09/660,302A TIME: 14:18:22

Input Set : A:\EP.txt
Output Set: N:\CRF3\02262002\I660302A.raw

must be represented by Xaa only

```
     40 <223> OTHER INFORMATION: The amino acid D can be replaced by E
W--> 41 <400> SEQUENCE: 1
W--> 42 Xaa Glu Phe Ile Xaa Xaa Asp Xaa
     43 1               5
     45 <210> SEQ ID NO: 2
     46 <211> LENGTH: 12
     47 <212> TYPE: PRT
     48 <213> ORGANISM: Unknown Organism
W--> 49 <220> FEATURE: Growth hormone receptor binding motif
W--> 49 <220> FEATURE: Growth hormone receptor binding motif
     50 <221> NAME/KEY: Binding
     51 <222> LOCATION: (321)...(332)
     52 <223> OTHER INFORMATION: Binds to hormone receptor and ubiquitin
W--> 53 <400> SEQUENCE: 2
     54 Asp Asp Ser Trp Val Glu Phe Ile Glu Leu Asp Ile
     55 1               5                   10
     57 <210> SEQ ID NO: 3
     58 <211> LENGTH: 10
     59 <212> TYPE: PRT
     60 <213> ORGANISM: Unknown Organism
W--> 61 <220> FEATURE: Growth hormone receptor binding motif
W--> 61 <220> FEATURE: Growth hormone receptor binding motif
     62 <221> NAME/KEY: Binding
     63 <222> LOCATION: (322)...(333)
     64 <223> OTHER INFORMATION: Binds to hormone receptor and ubiquitin
W--> 65 <400> SEQUENCE: 3
     66 Asp Ser Trp Val Glu Phe Ile Glu Leu Asp
     67 1               5                   10
     69 <210> SEQ ID NO: 4
     70 <211> LENGTH: 129
     71 <212> TYPE: PRT
     72 <213> ORGANISM: Unknown organism
W--> 73 <220> FEATURE: Synthetic peptide
W--> 73 <220> FEATURE: Synthetic peptide
     74 <221> NAME/KEY: Binding
     75 <222> LOCATION: Derived from protein receptor
     76 <223> OTHER INFORMATION: Up-regulates GH activity
W--> 77 <400> SEQUENCE: 4
     78 Ser Lys Gln Gln Arg Ile Lys Met Leu Ile Leu Pro Pro Val Pro Val
     79 1               5                   10                  15
     80 Pro Lys Ile Lys Gly Ile Asp Pro Asp Leu Leu Lys Glu Gly Lys Leu
     81             20                  25                  30
     82 Glu Glu Val Asn Thr Ile Leu Ala Ile His Asp Ser Tyr Lys Pro Glu
     83         35                  40                  45
     84 Phe His Ser Asp Asp Ser Trp Val Glu Phe Ile Glu Leu Asp Ile Asp
     85     50                  55                  60
     86 Glu Pro Asp Glu Lys Thr Glu Glu Ser Asp Thr Asp Leu Leu Ser Ser
     87 65                  70                  75                  80
     88 Asp His Glu Lys Ser His Ser Asn Leu Gly Val Lys Asp Gly Asp Ser
```

RAW SEQUENCE LISTING DATE: 02/26/2002
PATENT APPLICATION: US/09/660,302A TIME: 14:18:22

Input Set : A:\EP.txt
Output Set: N:\CRF3\02262002\I660302A.raw

```
     89                 85                  90                  95
     90 Gly Arg Thr Ser Cys Cys Glu Pro Asp Ile Leu Glu Thr Asp Phe Asn
     91             100                 105                 110
     92 Ala Asn Asp Ile His Glu Gly Thr Ser Glu Val Ala Gln Pro Gln Arg
     93         115                 120                 125
     94 Leu
     96 <210> SEQ ID NO: 5
     97 <211> LENGTH: 38
     98 <212> TYPE: PRT
     99 <213> ORGANISM: Unknown organism
W--> 100 <220> FEATURE: Synthetic peptide
W--> 100 <220> FEATURE: Synthetic peptide
    101 <221> NAME/KEY: Binding
    102 <222> LOCATION: Derives from protein receptor
    103 <223> OTHER INFORMATION: Up-regulates GH activity
W--> 104 <400> SEQUENCE: 5
    105 Lys Asp Gly Asp Ser Gly Arg Thr Ser Cys Cys Glu Pro Asp Ile Leu
    106 1               5                   10                  15
    107 Glu Thr Asp Phe Asn Ala Asn Phe Ile His Glu Gly Thr Ser Glu Val
    108             20                  25                  30
    109 Ala Gln Pro Gln Arg Leu
    110         35
    112 <210> SEQ ID NO: 6
    113 <211> LENGTH: 10
    114 <212> TYPE: PRT
    115 <213> ORGANISM: Unknown organism
W--> 116 <220> FEATURE: Glut4 Ins-regulated glucose transporter binding motif
W--> 116 <220> FEATURE: Glut4 Ins-regulated glucose transporter binding motif
    117 <221> NAME/KEY: Binding
    118 <222> LOCATION: Derived from protein receptor
    119 <223> OTHER INFORMATION: Binds to ubiquitin/proteasome system binding site
W--> 120 <400> SEQUENCE: 6
    121 Thr Glu Leu Glu Tyr Leu Gly Pro Asp Glu
    122 1               5                   10
    124 <210> SEQ ID NO: 7
    125 <211> LENGTH: 7
    126 <212> TYPE: PRT
    127 <213> ORGANISM: Unknown organism
W--> 128 <220> FEATURE: Binding poly-peptide motif
W--> 128 <220> FEATURE: Binding poly-peptide motif
    129 <221> NAME/KEY: Binding
    130 <222> LOCATION: Derived from protein receptor
    131 <223> OTHER INFORMATION: Binds to ubiquitin/proteasome system binding site
W--> 132 <400> SEQUENCE: 7
    133 Cys Glu Glu Asp Phe Tyr Arg
    134 1               5
    136 <210> SEQ ID NO: 8
    137 <211> LENGTH: 10
    138 <212> TYPE: PRT
```

RAW SEQUENCE LISTING DATE: 02/26/2002
PATENT APPLICATION: US/09/660,302A TIME: 14:18:22

Input Set : A:\EP.txt
Output Set: N:\CRF3\02262002\I660302A.raw

```
     139 <213> ORGANISM: GHR sequence (human, rabbit)
W--> 140 <400> SEQUENCE: 8
     141 Ser Trp Val Glu Phe Ile Glu Leu Asp Ile
     142 1               5                   10
     144 <210> SEQ ID NO: 9
     145 <211> LENGTH: 10
     146 <212> TYPE: PRT
     147 <213> ORGANISM: GHR chicken
W--> 148 <400> SEQUENCE: 9
     149 Leu Trp Val Glu Phe Ile Glu Leu Asp Ile
     150 1               5                   10
     152 <210> SEQ ID NO: 10
     153 <211> LENGTH: 10
     154 <212> TYPE: PRT
     155 <213> ORGANISM: prolactin receptor, human
W--> 156 <400> SEQUENCE: 10
     157 Leu Leu Val Glu Tyr Leu Glu Val Asp Asp
     158 1               5                   10
     160 <210> SEQ ID NO: 11
     161 <211> LENGTH: 10
     162 <212> TYPE: PRT
     163 <213> ORGANISM: prolactin receptor, rabbit, rat, mouse
W--> 164 <400> SEQUENCE: 11
     165 Leu Leu Val Glu Phe Leu Glu Asn Asp Asp
     166 1               5                   10
     168 <210> SEQ ID NO: 12
     169 <211> LENGTH: 10
     170 <212> TYPE: PRT
     171 <213> ORGANISM: Ca++ channel
W--> 172 <400> SEQUENCE: 12
     173 Asp Asn Val Asp Tyr Leu Thr Arg Asp Trp
     174 1               5                   10
     176 <210> SEQ ID NO: 13
     177 <211> LENGTH: 10
     178 <212> TYPE: PRT
     179 <213> ORGANISM: FGF Receptor Family
W--> 180 <400> SEQUENCE: 13
     181 Gln Ala Ala Glu Tyr Leu Arg Ser Glu Thr
     182 1               5                   10
     184 <210> SEQ ID NO: 14
     185 <211> LENGTH: 10
     186 <212> TYPE: PRT
     187 <213> ORGANISM: Transmembrane receptor sex precursor
W--> 188 <400> SEQUENCE: 14
     189 Ile Asp Ala Glu Tyr Ile Ser Ala Glu Arg
     190 1               5                   10
     192 <210> SEQ ID NO: 15
     193 <211> LENGTH: 10
     194 <212> TYPE: PRT
```

RAW SEQUENCE LISTING DATE: 02/26/2002
PATENT APPLICATION: US/09/660,302A TIME: 14:18:22

Input Set : A:\EP.txt
Output Set: N:\CRF3\02262002\I660302A.raw

```
     195 <213> ORGANISM: IgE Receptor
W--> 196 <400> SEQUENCE: 15
     197 Leu Lys Gly Glu Phe Ile Trp Val Asp Gly
     198 1               5                   10
     200 <210> SEQ ID NO: 16
     201 <211> LENGTH: 10
     202 <212> TYPE: PRT
     203 <213> ORGANISM: ANGIOTENSIN CONVERTING ENZYME
W--> 204 <400> SEQUENCE: 16
     205 Tyr Gly Ser Glu Tyr Ile Asn Leu Asp Gly
     206 1               5                   10
     208 <210> SEQ ID NO: 17
     209 <211> LENGTH: 10
     210 <212> TYPE: PRT
     211 <213> ORGANISM: POTASSIUM CHANNEL IRK
W--> 212 <400> SEQUENCE: 17
     213 Ser Glu Gly Glu Tyr Ile Pro Leu Asp Gln
     214 1               5                   10
     216 <210> SEQ ID NO: 18
     217 <211> LENGTH: 10
     218 <212> TYPE: PRT
     219 <213> ORGANISM: PDGF RECEPTOR ALPHA-CHAIN
W--> 220 <400> SEQUENCE: 18
     221 Asp Gly His Glu Tyr Ile Tyr Val Asp Pro
     222 1               5                   10
     224 <210> SEQ ID NO: 19
     225 <211> LENGTH: 10
     226 <212> TYPE: PRT
     227 <213> ORGANISM: PDGF RECEPTOR BETA-CHAIN
W--> 228 <400> SEQUENCE: 19
     229 Asp Gly His Glu Tyr Ile Tyr Val Asp Pro
     230 1               5                   10
     232 <210> SEQ ID NO: 20
     233 <211> LENGTH: 10
     234 <212> TYPE: PRT
     235 <213> ORGANISM: Ca++ -channel
W--> 236 <400> SEQUENCE: 20
     237 Asp Asn Phe Glu Tyr Leu Thr Arg Asp Ser
     238 1               5                   10
     240 <210> SEQ ID NO: 21
     241 <211> LENGTH: 10
     242 <212> TYPE: PRT
     243 <213> ORGANISM: Cl- CHANNEL CLC7
W--> 244 <400> SEQUENCE: 21
     245 Lys Ile Phe Glu Tyr Leu Arg Arg Asp Thr
     246 1               5                   10
     248 <210> SEQ ID NO: 22
     249 <211> LENGTH: 10
     250 <212> TYPE: PRT
```

VERIFICATION SUMMARY DATE: 02/26/2002
PATENT APPLICATION: US/09/660,302A TIME: 14:18:24

Input Set : A:\EP.txt
Output Set: N:\CRF3\02262002\I660302A.raw

L:5 M:283 W: Missing Blank Line separator, <120> field identifier
L:7 M:283 W: Missing Blank Line separator, <130> field identifier
L:8 M:283 W: Missing Blank Line separator, <140> field identifier
L:8 M:270 C: Current Application Number differs, Replaced Current Application Number
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:14 M:283 W: Missing Blank Line separator, <160> field identifier
L:17 M:283 W: Missing Blank Line separator, <210> field identifier
L:21 M:283 W: Missing Blank Line separator, <220> field identifier
L:21 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:25 M:283 W: Missing Blank Line separator, <220> field identifier
L:25 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:26 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:29 M:283 W: Missing Blank Line separator, <220> field identifier
L:29 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:30 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:33 M:283 W: Missing Blank Line separator, <220> field identifier
L:33 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:34 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:37 M:283 W: Missing Blank Line separator, <220> field identifier
L:37 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:38 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:41 M:283 W: Missing Blank Line separator, <400> field identifier
L:42 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:49 M:283 W: Missing Blank Line separator, <220> field identifier
L:49 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:53 M:283 W: Missing Blank Line separator, <400> field identifier
L:61 M:283 W: Missing Blank Line separator, <220> field identifier
L:61 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:65 M:283 W: Missing Blank Line separator, <400> field identifier
L:73 M:283 W: Missing Blank Line separator, <220> field identifier
L:73 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:77 M:283 W: Missing Blank Line separator, <400> field identifier
L:100 M:283 W: Missing Blank Line separator, <220> field identifier
L:100 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:104 M:283 W: Missing Blank Line separator, <400> field identifier
L:116 M:283 W: Missing Blank Line separator, <220> field identifier
L:116 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:120 M:283 W: Missing Blank Line separator, <400> field identifier
L:128 M:283 W: Missing Blank Line separator, <220> field identifier
L:128 M:256 W: Invalid Numeric Header Field, <220> has non-blank data
L:132 M:283 W: Missing Blank Line separator, <400> field identifier
L:140 M:283 W: Missing Blank Line separator, <400> field identifier
L:148 M:283 W: Missing Blank Line separator, <400> field identifier
L:156 M:283 W: Missing Blank Line separator, <400> field identifier
L:164 M:283 W: Missing Blank Line separator, <400> field identifier
L:172 M:283 W: Missing Blank Line separator, <400> field identifier
L:180 M:283 W: Missing Blank Line separator, <400> field identifier
L:188 M:283 W: Missing Blank Line separator, <400> field identifier

VERIFICATION SUMMARY DATE: 02/26/2002
PATENT APPLICATION: US/09/660,302A TIME: 14:18:24

Input Set : A:\EP.txt
Output Set: N:\CRF3\02262002\I660302A.raw

L:196 M:283 W: Missing Blank Line separator, <400> field identifier
L:204 M:283 W: Missing Blank Line separator, <400> field identifier
L:212 M:283 W: Missing Blank Line separator, <400> field identifier
L:220 M:283 W: Missing Blank Line separator, <400> field identifier
L:228 M:283 W: Missing Blank Line separator, <400> field identifier
L:236 M:283 W: Missing Blank Line separator, <400> field identifier
L:244 M:283 W: Missing Blank Line separator, <400> field identifier
L:252 M:283 W: Missing Blank Line separator, <400> field identifier
L:260 M:283 W: Missing Blank Line separator, <400> field identifier
L:268 M:283 W: Missing Blank Line separator, <400> field identifier
L:276 M:283 W: Missing Blank Line separator, <400> field identifier
L:284 M:283 W: Missing Blank Line separator, <400> field identifier
L:292 M:283 W: Missing Blank Line separator, <400> field identifier
L:300 M:283 W: Missing Blank Line separator, <400> field identifier
L:308 M:283 W: Missing Blank Line separator, <400> field identifier
L:316 M:283 W: Missing Blank Line separator, <400> field identifier
L:324 M:283 W: Missing Blank Line separator, <400> field identifier
L:331 M:283 W: Missing Blank Line separator, <400> field identifier
L:339 M:283 W: Missing Blank Line separator, <400> field identifier
L:347 M:283 W: Missing Blank Line separator, <400> field identifier
L:476 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:50
L:480 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50